



(11) **EP 4 531 431 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
18.06.2025 Bulletin 2025/25

(51) International Patent Classification (IPC):
H04R 1/10 (2006.01) H04R 3/00 (2006.01)

(43) Date of publication A2:
02.04.2025 Bulletin 2025/14

(52) Cooperative Patent Classification (CPC):
**H04R 1/10; H04R 3/00; H04R 2430/01;
H04R 2460/09**

(21) Application number: **25150864.4**

(22) Date of filing: **01.11.2019**

(84) Designated Contracting States:
**AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO
PL PT RO RS SE SI SK SM TR**

(30) Priority: **02.11.2018 US 201816179592**

(62) Document number(s) of the earlier application(s) in
accordance with Art. 76 EPC:
19836633.8 / 3 874 770

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(54) **VOLUME CONTROL IN OPEN AUDIO DEVICE**

(57) Methods and apparatus are provided for automatically adjusting, by an audio device, the SPL of its audio output. As described herein, the SPL is adjusted based on detected ambient noise. According to aspects, audio device iteratively adjusts the SPL based on the ambient noise. According to aspects, the SPL is adjusted to be greater than the ambient noise by a threshold SPL amount. According to aspects, the audio device outputs sound in substantially a first direction and the microphone detects sound substantially outside of the first direction. The adjusted sounds are output by the audio device.

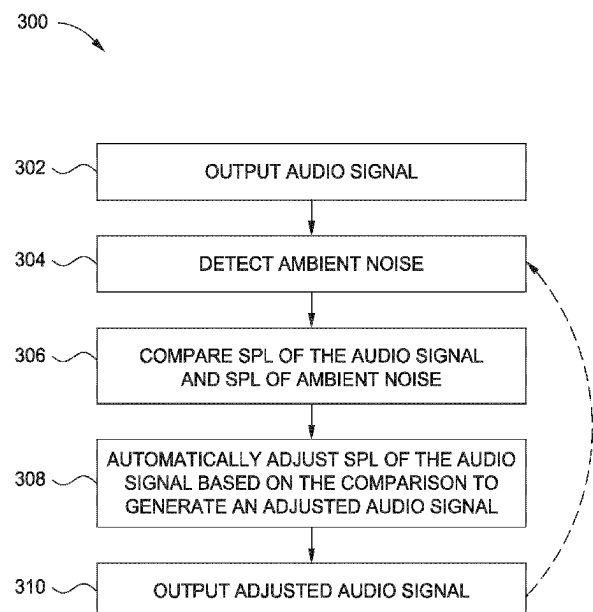


FIG. 3



EUROPEAN SEARCH REPORT

Application Number

EP 25 15 0864

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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 30 April 2025	Examiner Fobel, Oliver
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

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